CLAIMS:

1. A method of allocating uplink resources, comprising:

estimating traffic in an uplink; and

allocating resources based on said step of estimating.

2. A method according to claim 1, further comprising:

associating the traffic with a bulk TCP uplink data transfer, and

estimating the traffic in the uplink for a given transfer block to be identical as for a previous transfer block.

3. A method according to claim 1, further comprising:

associating the traffic with a bulk TCP downlink data transfer, and

wherein the estimating step comprises estimating the traffic in the uplink for a given transfer block to be an acknowledgement of the traffic in a downlink.

4. A method according to claim 1, further comprising:

associating the traffic with an interactive TCP data transfer, and

wherein the step of estimating comprises estimating the traffic in the uplink to be identical to the traffic in a downlink.

5. A method according to claim 4 wherein the step of estimating comprises estimating the traffic in the uplink to include an acknowledgement of the traffic in a downlink.

6. A method according to claim 1 wherein the step of estimating comprises estimating the uplink based upon a downlink traffic.

7. A method according to claim 6 wherein the step of estimating comprises estimating an uplink traffic to be an identical as a downlink traffic.

12

8. A method according to claim 6 wherein the step of estimating comprises estimating an uplink traffic to be an acknowledgement of the downlink traffic.

9. A method according to claim 6 wherein the step of estimating comprises estimating an uplink traffic to be identical as a downlink traffic together with an acknowledgement of the downlink traffic.

10. A communication system comprising:

estimating means for estimating traffic in an uplink; and

uplink allocation resource means for allocating uplink resources based on said estimating means.

11. A communication system according to claim 10 wherein

the traffic is associated with a bulk TCP uplink data transfer, and

the estimating means uplink is further configured to estimate the traffic in the uplink for a given transfer block to be identical as a previous transfer block.

12. A communication system according to claim 10, wherein

the traffic is associated with a bulk TCP downlink data transfer, and

the estimating means uplink being further configured to estimate the traffic in the uplink for a given transfer block to be an acknowledgement of the traffic in a downlink.

13. A communication system according to claim 10, wherein

the traffic is associated with an interactive TCP data transfer, and the estimating means uplink being further configured to estimate the traffic in the uplink for a given transfer block to be identical as the traffic in a downlink.

14. A communication system according to claim 13 wherein the traffic in the uplink is further estimated to include an acknowledgement of the traffic in a downlink.

15. A communication according to claim 10 wherein the estimating means is configured to be dependent upon a downlink traffic.

16. A communication system according to claim 15 wherein the uplink traffic is estimated to be identical as the downlink traffic.

17. A communication system according to claim 15 wherein the uplink traffic is estimated to be an acknowledgement of the downlink traffic.

18. A communication system according to claim 15 wherein the uplink traffic is estimated to be identical as the downlink traffic together with an acknowledgement of the downlink traffic.

19. A communication system according to claim 10, further comprising:

a mobile communication system in which the estimating means uplink and an uplink allocation resource are provided in a radio access network.

20. A communication system according to claim 10, further comprising:

a mobile communication system in which the estimating means uplink and an uplink allocation resource are provided in a serving General Packet Radio Service support node.